

# PRODUCT INFORMATION PACKET



Model No: OAN140

Catalog No: OAN140

OEM Replacement Motor, 3/4 HP, 1 Ph, 60 Hz, 460 V, 1075 RPM, 1 Speed, 48 Frame, SEMI ENCL



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**Nameplate Specifications**

Phase	1	Output HP	3/4 Hp
Output KW	0.56 kW	Voltage	460 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
Frequency	60 Hz	Current	2.75 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

**Technical Specifications**

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise Lead End
Mounting	Round Belly Band	Motor Orientation	Vertical Shaft Up
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	10.36 in	Frame Length	5.75 in
Shaft Diameter	0.500 in	Shaft Extension	4.0 in
Outline Drawing	F48R38A01-S01	Connection Drawing	614131-004

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REV	ECO	REV BY	DATE	APPD	DATE
C	0025553	F. MORENO	05-01-2012	M. AVILA	05-01-2012

**GENERAL INFORMATION:**

SHAFT RUNOUT: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION

BEARINGS: BALL

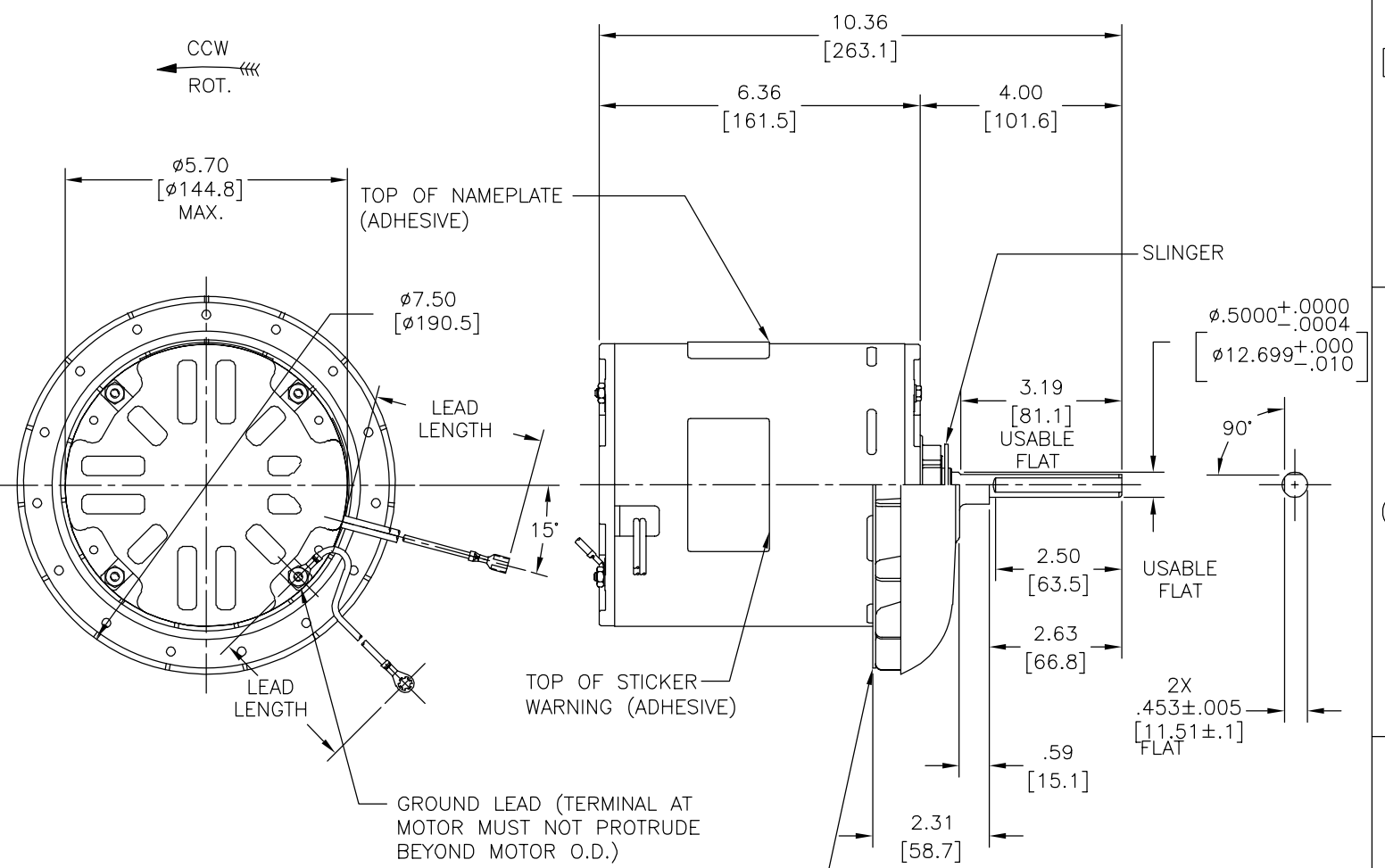
MOUNTING POSITION: VERTICAL SHAFT UP

**ELECTRICAL DATA:**

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LEADS: NO. 16 GA., .06 [1.5] THK. PVC 105°C INSUL.

GROUND LEAD: NO. 16 GA., .03 [.8] THK. (GREEN) INSUL.



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48R38A01 CUST. P/N: OAN140 HP: 3/4 ROT.: CCWLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 460 PH: 1 AMPS: 2.75 HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 12.5 MFD/370 V ENCL: SEMI-ENCL. UL LOGO CSA LOGO THERMALLY PROTECTED	

GREEN (GROUND)	9.0/10.0 [229/254]	#10 EYELET
BROWN	96.0/100.0 [2438/2540]	.25 [6.4] FEMALE SPADE
WHITE	96.0/100.0 [2438/2540]	.25 [6.4] FEMALE SPADE
BLACK	96.0/100.0 [2438/2540]	.25 [6.4] FEMALE SPADE
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

MAIN FRAME - OLE	OPEN
END FRAME - OLE	OPEN
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	OPEN

CUSTOMER	DISTRIBUTION SERVICE
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PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C32019	81.8 OZ. FT.	0141861A	E46412	PRGY2	LR43341	4211-01

**GEOMETRIC CHARACTERISTICS & SYMBOLS**

- ▭ FLATNESS
- STRAIGHTNESS
- ∠ ANGULARITY
- ⊥ PERPENDICULARITY (SQUARENESS)
- ∥ PARALLELISM
- ROUNDNESS (CIRCULARITY)
- ⊘ CYLINDRICITY
- △ PROFILE OF ANY SURFACE
- ∧ PROFILE OF ANY LINE
- ↗ RUNOUT
- ⊕ TRUE POSITION
- ◎ CONCENTRICITY
- ≡ SYMMETRY

ASME Y14.5M 1994

REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY: JRUPERT 10-26-2009

APPD: TRILEY 10-26-2009

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011  
FORMAT REV G

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**REGAL-BELOIT CORPORATION**

DESCRIPTION: MODEL-RFHP-48FR OUTLINE

SIZE C DWG NO F48R38A01

SCALE NONE SHEET 1

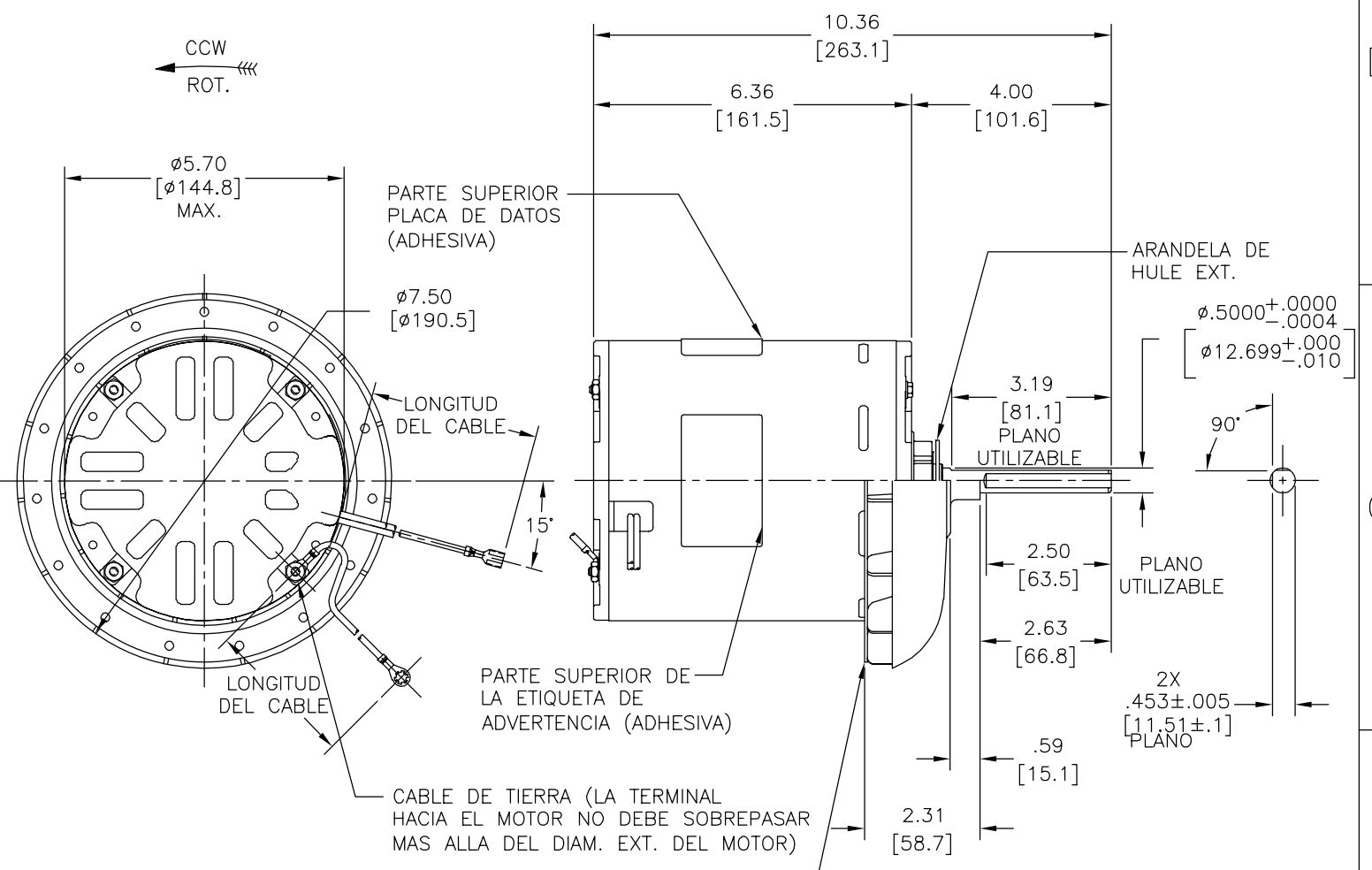
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
C	0025553	F. MORENO	05-01-2012	M. AVILA	05-01-2012

**INFORMACION GENERAL:**  
 OSCILACION DE FLECHA: .001 [.03] L.T.I. LONGITUD DE EXTENSION POR PULG.  
 BALEROS: BALERO  
 POSICION DEL MONTAJE: FLECHA VERTICAL ENCIMA DE

**INFORMACION ELECTRICA:**  
 SOBRECARGA DEL PROTECTOR: REINICIO AUTOMATIC (T.I. 7AM 036)  
 CABLES: NO. CAL, 16. .06 [1.5] GROSOR PVC 105°C AISLAM.  
 CABLE DE TIERRA: NO. CAL.16, .03 [.8] GROSOR. (VERDE) AISLAM.



INFORMACION DE ETIQUETA:	DIAGRAMA DE CONEXION EXTRNA
MODEL NO.: F48R38A01 CUST. P/N: OAN140 HP: 3/4 ROT.: CCWLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 460 PH: 1 AMPS: 2.75 HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 12.5 MFD/370 V ENCL: SEMI-ENCL. UL LOGO CSA LOGO THERMALLY PROTECTED	

VERDE (TIERRA)	9.0/10.0 [229/254]	OJAL #10
BROWN	96.0/100.0 [2438/2540]	.25 [6.4] TERMINAL ESPADE HEMBRA
BROWN	96.0/100.0 [2438/2540]	.25 [6.4] TERMINAL ESPADE HEMBRA
BROWN	96.0/100.0 [2438/2540]	.25 [6.4] TERMINAL ESPADE HEMBRA
COLOR	LONGITUD	TERMINAL O LONGITUD DE DESFORRE

DE CARCASA - OLE	ABIERTA
DE TAPA - OLE	ABIERTA
DE CARCASA - LE	ENCERRADO
DE TAPA - LE	ABIERTA

CLIENTE	DISTRIBUTION SERVICE
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CURVAS DE FUNCIONAMIENTO	TORSION @ 1075 RPM (25°C)	MUESTRA APROBADA	COMPONENTE UL	CSA
C32019	81.8 OZ. FT.	0141861A	#ARCHIVO #CCN #	#ARCHIVO CLASE #

**CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS**  
 □ PLANICIDAD  
 — RECTITUD  
 < ANGULARIDAD  
 ⊥ PERPENDICULARIDAD (A ESCUADRA)  
 // PARALELISMO  
 ○ REDONDEZ (CIRCULARIDAD)  
 ∅ CILINDRICIDAD  
 △ PERFIL DE CUALQUIER SUPERFICIE  
 ∩ PERFIL DE CUALQUIER LINEA  
 ↗ VARIACION  
 ⊕ POSICION REAL  
 ⊙ CONCENTRICIDAD  
 = SIMETRIA

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DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

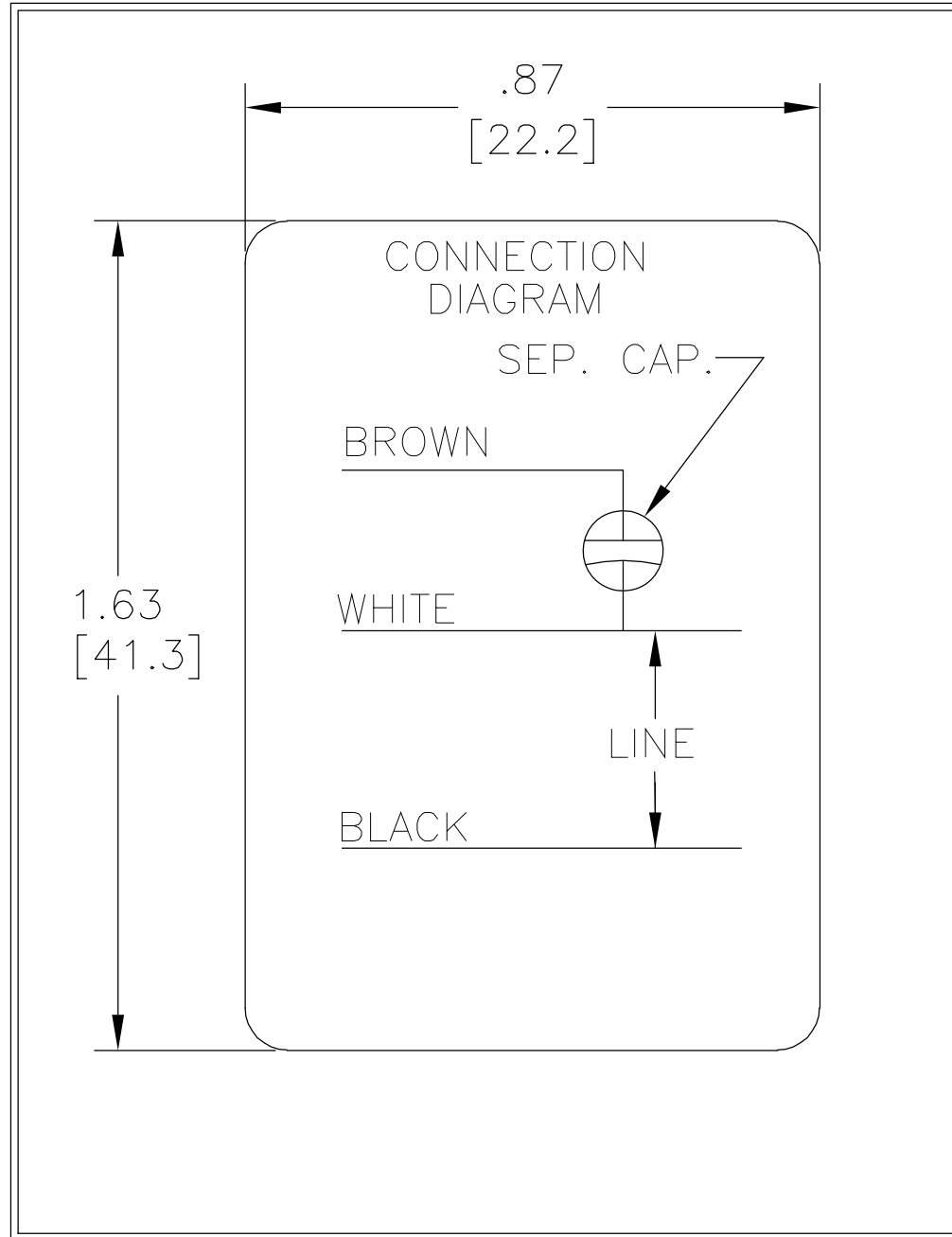
DIBUJADO POR:	JRUPERT	10-26-2009
APROBADO POR:	TRILEY	10-26-2009
TERCER ANGULO DE PROYECCION	FECHA EDS: 11-11-2011	REV. FORMATO: G

DESCRIPCION:	
MODEL-RFHP-48FR OUTLINE	
TAMAÑO: C	NUMERO DE DIBUJO: F48R38A01
ESCALA: NONE	HOJA: 1

4 3 2 1

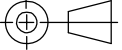



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A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



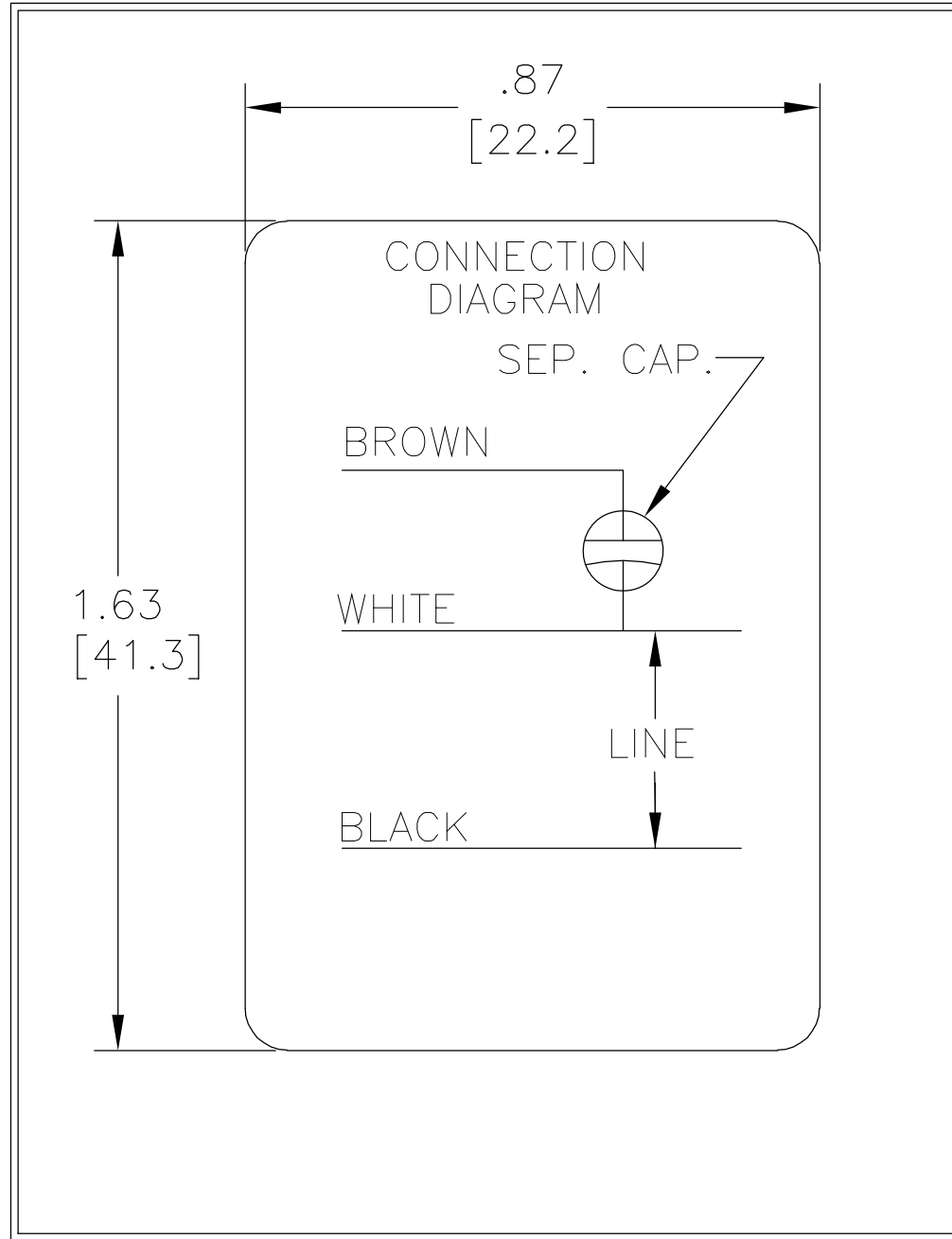
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 ∩ PROFILE OF ANY LINE  
 ↑ RUNOUT  
 ⊕ TRUE POSITION  
 ⊙ CONCENTRICITY  
 ≡ SYMMETRY

UNLESS OTHERWISE SPECIFIED  
 DIM. TOLERANCES ARE AS FOLLOWS:  
 INCH X XX XXX XXXX  
 mm ±0.1 ±0.02 ±.005 ±.0005  
 mm ±0.5 ±0.13 ±0.013  
 ANG. ±.50 DEG  
 REMOVE BURRS & BREAK SHARP EDGES:  
 INCH .003-.015 mm 0.1-0.4  
 CORNER FILLETS TO:  
 INCH .020 mm 0.5  
 MACHINE SURFACES:  
 INCH 125 mm 3.2  
 METRIC DIMS. SHOWN IN [BRACKETS]

DR BY: N.LONG 07/14/1986  
 APPD:  
 THIRD ANGLE PROJECTION  EDS DATE 02-22-2008  
 FORMAT REV F  
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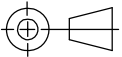
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DESCRIPTION CONN DIAGRAM-NAMEPLATE	
SIZE A	DWG NO 614131-004
SCALE NONE	SHEET 1


REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



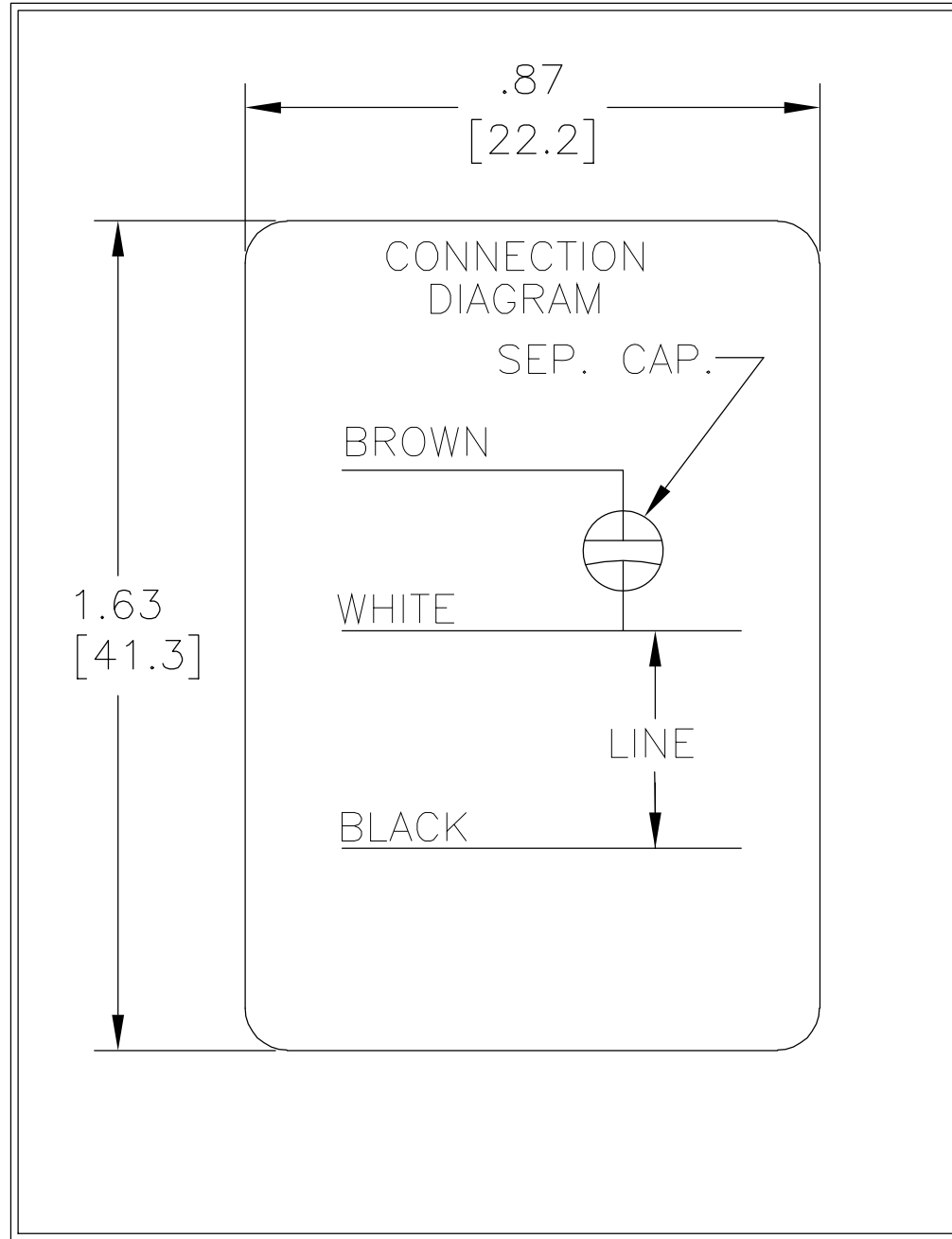
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS  
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 △ PERFIL DE CUALQUIER SUPERFICIE  
 ∩ PERFIL DE CUALQUIER LINEA  
 ↑ VARIACION  
 ⊕ POSICION REAL  
 ⊙ CONCENTRICIDAD  
 ≡ SIMETRIA

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:  
 X XX XXX XXXX  
 PULG ±.1 ±.02 ±.005 ±.0005  
 mm ±0.5 ±0.13 ±0.013  
 ANG. ±.50 GRADOS  
 ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.  
 PULG .003-.015 mm 0.1-0.4  
 FILETEAR ESQUINA: PULG .020 mm 0.5  
 MAQUINAR SUPERFICIES  
 PULG 125 mm 3.2  
 DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: N.LONG 07/14/1986  
 APROBADO POR:  
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TAMAÑO: A	NUMERO DE DIBUJO: 614131-004
ESCALA:NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



- 形位公差
- 平面度
- 直线度
- ∠ 倾斜度
- ⊥ 垂直度
- // 平行度
- 圆度
- ⊘ 圆柱度
- ⌒ 面轮廓度
- ⌒ 线轮廓度
- ↗ 圆跳动
- ⊕ 位置度
- ◎ 同轴度
- ≡ 对称度

除另有注明  
尺寸公差如下:

英寸	±.1	±.02	±.005	±.0005
毫米	±0.5	±0.13	±0.013	

角度 ±.50 度  
清理毛刺和尖棱  
英寸 .003-.015 毫米 0.1-0.4  
内圆角  
英寸 .020 毫米 0.5  
表面粗糙度  
英制 125 米制 3.2

米制尺寸显示在 [ ]

绘图:	N.LONG	07/14/1986
批准:		
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比例	NONE	页号	1